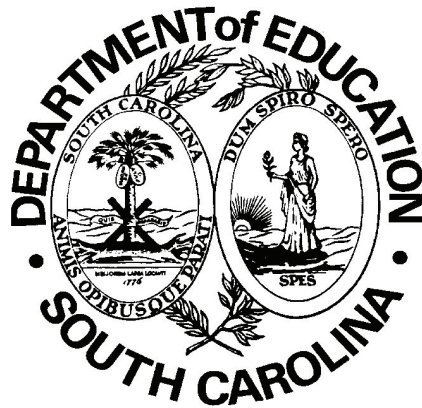


# **Required Credentials for Professional Staff Members in the Instructional Programs of South Carolina's Public Schools**



**Issued by the  
South Carolina Department of Education**

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Office of School Quality**

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### **NOTICE**

The activity/course codes specified in this document are generated from the coding system that is detailed in the document *South Carolina Department of Education Activity Coding System for SASI*, issued by the Office of School Quality. When course titles change, titles/codes are deactivated, or new titles/codes are created, those changes are indicated in table 3 of this latter document in blue type. Three SDE documents that contain course titles and codes—*Activity Coding System for SASI*, *SASI Student Reporting Procedures*, and *Required Credentials for Professional Staff Members in the Instructional Programs of South Carolina’s Public Schools*—will be updated and reissued in the fall of each year. Changes will go into effect the following school year.

## Introduction

In order for an educational unit to meet accreditation standards mandated by State Board of Education Regulation 43-300, its professional staff members must hold the appropriate credentials for the positions they occupy. In the context of the present document—which was originally titled “Acceptable Areas of Certification” as an attachment to R 43-130, “Accreditation Standards Filed”—the term *appropriate credentials* encompasses both proper certification and all required attendant training.

All district-office professional staff members must hold a master’s degree and must be certified in their area of primary responsibility. All teachers must be properly certified. Teachers of credit-bearing courses in grades seven and eight must hold either middle-level or secondary certification in the content area. Beginning in 2006, middle school certified teachers may also teach credit-bearing courses in grades seven and eight if they have passed the middle-level or secondary Praxis II exam in the content area. Teachers of the core academic subjects—English language arts, mathematics, science, foreign languages, civics, government, economics, history, geography, and the arts—must not only be properly certified but must also meet the “highly qualified” teacher requirements of the federal No Child Left Behind Act of 2001 (Pub. L. No. 107-110). Out-of-field permits may be issued for administrators, eligible teachers, library media specialists, and guidance counselors.

What follows in this document is a tabular listing of most district office and school positions along with the required credentials for each of those positions. Regardless of whether a specific position is listed in this document, all professional instructional staff must hold South Carolina educator certificates. If the credential requirement is an area of certification only, then the certification code for that specific area appears in a separate column. If the credential requirement includes attendant training as well as acceptable certification, then the abbreviation NC (“no code”) appears in parentheses in the code column.

All credit-bearing courses are listed in the “Grades 9–12” section of this document. To assist districts in identifying those teaching positions for which the credential requirements include training beyond acceptable certification, instructional activity codes (course codes) are provided. Credit-bearing courses carry the same activity codes if they are taught in grades seven and eight. This document makes no recommendations with regard to course sequencing.

Certificates marked with an asterisk have been discontinued by the South Carolina Department of Education (SDE). Teachers holding these certificates with current effective dates can continue to serve or teach in the positions as listed. Beginning the 2008–09 school year, the certificates that are marked here with a double dagger will not be acceptable for the positions identified.

# District Professional Staff

## DISTRICT ADMINISTRATORS

| REQUIRED CREDENTIALS: MASTER'S DEGREE <i>and</i><br>CERTIFICATION IN THE AREA OF PRIMARY RESPONSIBILITY |  |   |
|---|--|---|
| Position  | Certif.<br>Code                              | Acceptable Certification  |
| Area/County/District Superintendent   | 70   | Superintendent  |
| Deputy/Assistant/Associate Superintendent<br>Director of Instruction                                    | 71<br>73<br>72<br>74<br>70                   | Elementary Principal<br>Elementary Supervisor<br>Secondary Principal<br>Secondary Supervisor<br>Superintendent  |
| Director, Career and Technology Education   | 72<br>74<br>76                               | Secondary Principal<br>Secondary Supervisor<br>Vocational Center Director   |
| Director, Child Development<br>Director, Early Childhood Education                                      | (NC)   | 85 Early Childhood<br><i>plus</i> one of the following:<br>71 Elementary Principal<br>73 Elementary Supervisor<br>70 Superintendent   |
| Director, Special Education   | 71<br>73<br>90<br>84<br>78<br>72<br>74<br>70 | Elementary Principal<br>Elementary Supervisor<br>Guidance—Secondary Advanced*<br>School Psychologist II<br>School Psychologist III<br>Secondary Principal<br>Secondary Supervisor<br>Superintendent |
| Supervisor, Adult Education   | 71<br>73<br>72<br>74<br>70                   | Elementary Principal<br>Elementary Supervisor<br>Secondary Principal<br>Secondary Supervisor<br>Superintendent  |
| Supervisor, Elementary Education  | 71<br>73<br>70                               | Elementary Principal<br>Elementary Supervisor<br>Superintendent   |
| Supervisor, Secondary Education   | 72<br>74<br>70                               | Secondary Principal<br>Secondary Supervisor<br>Superintendent   |

\* = No longer issued

## CONSULTANTS AND COORDINATORS

| <b>REQUIRED CREDENTIALS: MASTER'S DEGREE <i>and</i><br/>CERTIFICATION IN THE AREA OF PRIMARY RESPONSIBILITY</b> |  |   |
|---|--|---|
| <b>Program</b>  | <b>Certif.<br/>Code</b>  | <b>Acceptable Certification</b>   |
| Agriculture   | 30   | Agriculture   |
| Business, Marketing, and Computer Technology Education  | 43<br>44<br>48<br>4B<br>47<br>40<br>46<br>32<br>45<br>41<br>42 | Accounting*<br>Accounting and Related Business*<br>Accounting and Related Economics*<br>Business and Marketing Technology<br>Business Education*<br>Commerce*<br>Data/Information Processing*<br>Distributive Education*<br>Secretarial Science*<br>Shorthand*<br>Typing* |
| Driver Education  | 63   | Driver Training   |
| Early Childhood   | 85   | Early Childhood   |
| Educational Evaluator   | 87<br>69<br>84<br>78   | Educational Evaluator*<br>School Psychologist I<br>School Psychologist II<br>School Psychologist III  |
| Elementary  | 01   | Elementary  |
| Engineering/Industrial Technology Education   | 36<br>29   | Industrial Arts*<br>Industrial Technology Education   |
| English Language Arts   | 01<br>04<br>1E<br>1A<br>83<br>81<br>82<br>80                   | Elementary<br>English<br>Middle-Level Language Arts<br>Middle School Language Arts*<br>Reading Clinician<br>Reading Consultant<br>Reading Coordinator or Director<br>Reading Teacher  |
| Foreign Languages   | 05<br>08<br>5B<br>06<br>09<br>07                               | French<br>German<br>Japanese<br>Latin<br>Russian<br>Spanish   |
| Guidance  | 88<br>86<br>89<br>90   | Associate Guidance—Secondary*<br>Guidance—Elementary<br>Guidance—Secondary<br>Guidance—Secondary Advanced*  |
| Health, Safety, Physical Education  | 64<br>65<br>67   | Health<br>Health and Physical Education*<br>Physical Education  |
| Health Science Technology   | AC   | Health Science Technology   |

\* = No longer issued

## CONSULTANTS AND COORDINATORS

| <b>REQUIRED CREDENTIALS: MASTER'S DEGREE <i>and</i><br/>CERTIFICATION IN THE AREA OF PRIMARY RESPONSIBILITY</b> |  |  |
|---|--|--|
| <b>Program</b>  | <b>Certif.<br/>Code</b>  | <b>Acceptable Certification</b>  |
| Mathematics   | 11<br>10<br>1F<br>1B   | General Mathematics*<br>Mathematics<br>Middle-Level Mathematics<br>Middle School Mathematics*  |
| Media Services  | 60<br>59   | Media Specialist<br>Media Supervisor   |
| Psychology (Psychologist)   | 69<br>84<br>78   | School Psychologist I<br>School Psychologist II<br>School Psychologist III   |
| Science   | 14<br>15<br>17<br>13<br>1G<br>1C<br>16<br>12   | Biology<br>Chemistry<br>Earth Science*<br>General Science*<br>Middle-Level Science<br>Middle School Science*<br>Physics<br>Science   |
| Social Studies  | 23<br>24<br>25<br>21<br>1H<br>1D<br>26<br>20<br>27                                     | Economics<br>Geography<br>Government<br>History<br>Middle-Level Social Studies<br>Middle School Social Studies*<br>Psychology<br>Social Studies<br>Sociology   |
| Special Education   | 69<br>84<br>78<br>2A<br>2D<br>2E<br>02<br>2G<br>2H<br>2I<br>2F<br>2J<br>2C<br>2B<br>03 | School Psychologist I<br>School Psychologist II<br>School Psychologist III<br>Special Education—Educable Mentally Disabled*<br>Special Education—Deaf and Hard of Hearing<br>Special Education—Emotional Disabilities<br>Special Education—Generic Special Education*<br>Special Education—Learning Disabilities<br>Special Education—Mental Disabilities<br>Special Education—Multicategorical<br>Special Education—Orthopedically Impaired*<br>Special Education—Severe Disabilities<br>Special Education—Trainable Mentally Disabled*<br>Special Education—Visual Impairment<br>Speech-Language Therapist |

\* = No longer issued

## CONSULTANTS AND COORDINATORS

| REQUIRED CREDENTIALS: MASTER'S DEGREE <i>and</i><br>CERTIFICATION IN THE AREA OF PRIMARY RESPONSIBILITY |                 |                              |
|---|-----------------|------------------------------|
| Program   | Certif.<br>Code | Acceptable Certification     |
| Visual and Performing Arts  | 49              | Advanced Fine Arts           |
|   | 50              | Art                          |
|   | 58              | Dance                        |
|   | 51              | Music Education—Choral       |
|   | 54              | Music Education—Instrumental |
|   | 52              | Music Education—Piano        |
|   | 56              | Music Education—Violin       |
|   | 53              | Music Education—Voice        |
|   | 57              | Speech and Drama*            |
|   | 5C              | Theater                      |

\* = No longer issued

## SCHOOL ADMINISTRATORS AND PROFESSIONAL SUPPORT STAFF

| REQUIRED CREDENTIALS: MASTER'S DEGREE <i>and</i><br>CERTIFICATION IN THE AREA OF PRIMARY RESPONSIBILITY |                      |  |
|---|----------------------|--|
| Position  | Certif.<br>Code      | Acceptable Certification   |
| <b>Kindergarten–Grade 6</b>   |                      |  |
| Principal<br>Assistant Principal<br>Curriculum Coordinator  | 71<br>73             | Elementary Principal<br>Elementary Supervisor  |
| Guidance Counselor  | 86                   | Guidance—Elementary  |
| Library Media Specialist, full-time   | 60                   | Media Specialist   |
| Library Media Specialist, part-time   | 60<br>61             | Media Specialist<br>Teacher-Librarian*   |
| <b>Grades 7–8</b>   |                      |  |
| Principal<br>Assistant Principal<br>Curriculum Coordinator  | 71<br>73<br>72<br>74 | Elementary Principal<br>Elementary Supervisor<br>Secondary Principal<br>Secondary Supervisor               |
| Guidance Counselor  | 88<br>86<br>89<br>90 | Associate Guidance—Secondary*<br>Guidance—Elementary<br>Guidance—Secondary<br>Guidance—Secondary Advanced* |
| Library Media Specialist  | 60                   | Media Specialist   |
| <b>Grades 9–12</b>  |                      |  |
| Principal<br>Assistant Principal<br>Curriculum Coordinator  | 72<br>74             | Secondary Principal<br>Secondary Supervisor  |
| Director, Career and Technology Education<br>Assistant Director, Career and Technology<br>Education     | 72<br>74<br>76       | Secondary Principal<br>Secondary Supervisor<br>Vocational Center Director                                  |
| Guidance Counselor  | 88<br>89<br>90       | Associate Guidance—Secondary*<br>Guidance—Secondary<br>Guidance—Secondary Advanced*                        |
| Library Media Specialist  | 60                   | Media Specialist   |

\* = No longer issued



# Teachers

## SPECIAL EDUCATION

### REQUIRED CREDENTIAL: ACCEPTABLE CERTIFICATION

Note: Acceptable certification for a teacher of a *self-contained* special education class is determined by the area of disability in which all of the teacher's students are classified. In addition, special restrictions apply to the teacher's certification when students are commingled in a self-contained (i.e., cross-categorical) class. Acceptable certification for a *resource or itinerant* special education teacher is determined by the area of disability in which the majority of the teacher's students (i.e., caseload) are classified.

If a resource or itinerant teacher provides primary instruction and assigns a grade to a student with a disability who is earning a unit of credit toward the state high school diploma, that teacher must demonstrate content competency in the core subject through one of the options available to regular high school teachers.

| Prekindergarten–Grade 12 Program          | Certif. Code   | Acceptable Certification  |
|---|--|---|
| Preschool with Disability                 | 85<br>2D<br>2A<br>2E<br>02<br>2G<br>2H<br>2I<br>2F<br>2J<br>2C<br>2B<br>03 | Early Childhood<br>Special Education—Deaf and Hard of Hearing<br>Special Education—Educable Mentally Disabled*<br>Special Education—Emotional Disabilities<br>Special Education—Generic Special Education*<br>Special Education—Learning Disabilities<br>Special Education—Mental Disabilities<br>Special Education—Multicategorical<br>Special Education—Orthopedically Impaired*<br>Special Education—Severe Disabilities<br>Special Education—Trainable Mentally Disabled*<br>Special Education—Visual Impairment<br>Speech-Language Therapist |
| Educable Mentally Disabled                | 2A<br>02<br>2H<br>2I   | Special Education—Educable Mentally Disabled*<br>Special Education—Generic Special Education*<br>Special Education—Mental Disabilities<br>Special Education—Multicategorical  |
| Education of the Deaf and Hard of Hearing | 2D   | Special Education—Deaf and Hard of Hearing  |
| Emotionally Disabled                      | 2E<br>02<br>2I   | Special Education—Emotional Disabilities<br>Special Education—Generic Special Education*<br>(resource and itinerant <i>only</i> )<br>Special Education—Multicategorical   |
| Specifically Learning Disabled            | 02<br>2G<br>2I   | Special Education—Generic Special Education*<br>Special Education—Learning Disabilities<br>Special Education—Multicategorical   |
| Orthopedically Impaired                   | 2F<br>2J   | Special Education—Orthopedically Impaired*<br>Special Education—Severe Disabilities   |
| Profoundly Mentally Disabled              | 2H<br>2F<br>2J<br>2C   | Special Education—Mental Disabilities<br>Special Education—Orthopedically Impaired*<br>Special Education—Severe Disabilities<br>Special Education—Trainable Mentally Disabled*  |
| Speech-Language Impaired                  | 03   | Speech-Language Therapist   |
| Trainable Mentally Disabled               | 2H<br>2J<br>2C   | Special Education—Mental Disabilities<br>Special Education—Severe Disabilities<br>Special Education—Trainable Mentally Disabled*  |
| Visually Impaired                         | 2B   | Special Education—Visual Impairment   |

\* = No longer issued

**PREKINDERGARTEN–GRADE 6****REQUIRED CREDENTIAL: ACCEPTABLE CERTIFICATION**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

| <b>Program Area</b>             | <b>Certif.<br/>Code</b>                            | <b>Acceptable Certification</b>   |
|---------------------------------|--|---|
| <b>Prekindergarten–Grade 3</b>  |  |   |
| Prekindergarten                 | 85   | Early Childhood   |
| Self-Contained/Departmentalized | 85<br>01   | Early Childhood<br>Elementary [acceptable for grade 1 until 09/01/2006]   |
| <b>Grades 2–4</b>               |  |   |
| Self-Contained/Departmentalized | 85<br>01   | Early Childhood [acceptable for grade 4 until<br>09/01/2006]<br>Elementary  |
| <b>Grades 5–6</b>               |  |   |
| Self-Contained                  | 01   | Elementary  |
| Departmentalized                |  |   |
| English Language Arts           | 01<br>04<br>1E<br>1A<br>83<br>81<br>82<br>80       | Elementary<br>English‡<br>Middle-Level Language Arts<br>Middle School Language Arts*<br>Reading Clinician<br>Reading Consultant<br>Reading Coordinator or Director<br>Reading Teacher |
| Mathematics                     | 01<br>11<br>10<br>1F<br>1B                         | Elementary<br>General Mathematics‡*<br>Mathematics‡<br>Middle-Level Mathematics<br>Middle School Mathematics*   |
| Science                         | 14<br>15<br>17<br>01<br>13<br>1G<br>1C<br>16<br>12 | Biology‡<br>Chemistry‡<br>Earth Science‡*<br>Elementary<br>General Science‡*<br>Middle-Level Science<br>Middle School Science*<br>Physics‡<br>Science‡                                |
| Social Studies                  | 23<br>01<br>24<br>25<br>21<br>1H<br>1D<br>20       | Economics‡<br>Elementary<br>Geography‡<br>Government ‡<br>History‡<br>Middle-Level Social Studies<br>Middle School Social Studies*<br>Social Studies‡                                 |

‡ = Not acceptable after October 1, 2008

\* = No longer issued

**PREKINDERGARTEN—GRADE 6****REQUIRED CREDENTIAL: ACCEPTABLE CERTIFICATION**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

| Program Area                                   | Certif.<br>Code  | Acceptable Certification  |
|--|--|---|
| <b>Special Areas, Kindergarten–Grade 6</b>     |  |   |
| English for Speakers of Other Languages (ESOL) | (NC)   | 5A English for Speakers of Other Languages<br><i>plus</i> certification in any teaching area (elementary, middle, or secondary)   |
| Foreign Languages                              |  |   |
| French   | 05   | French  |
| German   | 08   | German  |
| Japanese                                       | 5B   | Japanese  |
| Latin  | 06   | Latin   |
| Russian  | 09   | Russian   |
| Spanish  | 07   | Spanish   |
| Health   | 14<br>01<br>13<br>64<br>65<br>66<br>1G<br>1C<br>67<br>12 | Biology‡<br>Elementary<br>General Science*<br>Health<br>Health and Physical Education*<br>Health and Physical Education, Part-Time*<br>Middle-Level Science<br>Middle School Science*<br>Physical Education<br>Science‡ |
| Physical Education                             | 65<br>66<br>67   | Health and Physical Education*<br>Health and Physical Education, Part-Time*<br>Physical Education   |
| Visual and Performing Arts                     |  |   |
| Art  | 49<br>50   | Advanced Fine Arts<br>Art   |
| Dance  | 49<br>58   | Advanced Fine Arts<br>Dance   |
| Drama  | 49<br>04<br>57<br>5C                                     | Advanced Fine Arts<br>English<br>Speech and Drama*<br>Theater   |
| Music  | 49<br>51<br>54<br>52<br>56<br>53                         | Advanced Fine Arts<br>Music Education—Choral<br>Music Education—Instrumental<br>Music Education—Piano<br>Music Education—Violin<br>Music Education—Voice  |

‡ = Not acceptable after October 1, 2008

\* = No longer issued

**PREKINDERGARTEN–GRADE 6****REQUIRED CREDENTIAL: ACCEPTABLE CERTIFICATION**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

| <b>Program Area</b>               | <b>Certif.<br/>Code</b> | <b>Acceptable Certification</b>  |
|-----------------------------------|-------------------------|--|
| <b>Special Areas, Grade 6</b>     |                         |  |
| Career Education, Introduction to | (NC)                    | Middle-level certification or any CATE certification <i>plus</i> training and/or mentoring approved by the Office of Career and Technology Education |
| Industrial Technology Education   | 36<br>29                | Industrial Arts*<br>Industrial Technology Education  |
| Personal Skills, Introduction to  | 35                      | Family and Consumer Science (Home Economics)   |

‡ = Not acceptable after October 1, 2008

\* = No longer issued

**GRADES 7–8****REQUIRED CREDENTIAL: ACCEPTABLE CERTIFICATION**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements. Teachers of credit-bearing courses in grades seven and eight must either hold middle-level or secondary certification in the content area or hold middle school certification and have passed the middle-level or secondary Praxis II exam in the content area.

| Subject Area                      | Certif. Code   | Acceptable Certification   |
|-----------------------------------|--|--|
| <b>Fine Arts</b>                  |  |  |
| Art                               | 49<br>50   | Advanced Fine Arts<br>Art  |
| Dance                             | 49<br>58   | Advanced Fine Arts<br>Dance  |
| Drama                             | 49<br>04<br>57<br>5C                                     | Advanced Fine Arts<br>English<br>Speech and Drama*<br>Theater  |
| Music                             | 49<br>51<br>54<br>52<br>56<br>53                         | Advanced Fine Arts<br>Music Education—Choral<br>Music Education—Instrumental<br>Music Education—Piano<br>Music Education—Violin<br>Music Education—Voice   |
| <b>Health, Physical Education</b> |  |  |
| Health                            | 14<br>01<br>13<br>64<br>65<br>66<br>1G<br>1C<br>67<br>12 | Biology‡<br>Elementary‡<br>General Science*<br>Health<br>Health and Physical Education*<br>Health and Physical Education, Part-Time*<br>Middle-Level Science<br>Middle School Science*<br>Physical Education<br>Science‡ |
| Physical Education                | 65<br>66<br>67   | Health and Physical Education*<br>Health and Physical Education, Part-Time*<br>Physical Education  |
| <b>Language Arts</b>              |  |  |
| English Language Arts             | 01<br>04<br>1E<br>1A<br>83<br>81<br>82<br>80             | Elementary‡<br>English‡<br>Middle-Level Language Arts<br>Middle School Language Arts*<br>Reading Clinician‡<br>Reading Consultant‡<br>Reading Coordinator or Director‡<br>Reading Teacher‡                               |

‡ = Not acceptable after October 1, 2008

\* = No longer issued

**GRADES 7–8****REQUIRED CREDENTIAL: ACCEPTABLE CERTIFICATION**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements. Teachers of credit-bearing courses in grades seven and eight must either hold middle-level or secondary certification in the content area or hold middle school certification and have passed the middle-level or secondary Praxis II exam in the content area.

| Subject Area                                   | Certif. Code | Acceptable Certification  |
|--|--------------|---|
| <b>Mathematics</b>                             |              |   |
| Mathematics                                    | 01           | Elementary‡   |
|  | 11           | General Mathematics‡*   |
|  | 10           | Mathematics‡  |
|  | 1F           | Middle-Level Mathematics  |
|  | 1B           | Middle School Mathematics*  |
| <b>Science</b>                                 |              |   |
| Science  | 14           | Biology‡  |
|  | 15           | Chemistry‡  |
|  | 17           | Earth Science‡*   |
|  | 01           | Elementary‡   |
|  | 13           | General Science‡*   |
|  | 1G           | Middle-Level Science  |
|  | 1C           | Middle School Science*  |
|  | 16           | Physics‡  |
|  | 12           | Science‡  |
| <b>Social Studies</b>                          |              |   |
| Social Studies<br>South Carolina Studies       | 23           | Economics‡  |
|  | 01           | Elementary‡   |
|  | 24           | Geography‡  |
|  | 25           | Government ‡  |
|  | 21           | History‡  |
|  | 1H           | Middle-Level Social Studies   |
|  | 1D           | Middle School Social Studies*   |
|  | 20           | Social Studies‡   |
| <b>Special Areas</b>                           |              |   |
| English for Speakers of Other Languages (ESOL) | (NC)         | 5A English for Speakers of Other Languages<br><i>plus</i> certification in any teaching area (elementary, middle, or secondary) |
| Foreign Languages                              |              |   |
| French   | 05           | French  |
| German   | 08           | German  |
| Japanese                                       | 5B           | Japanese  |
| Latin  | 06           | Latin   |
| Russian  | 09           | Russian   |
| Spanish  | 07           | Spanish   |

‡ = Not acceptable after October 1, 2008

\* = No longer issued

**GRADES 7–8****REQUIRED CREDENTIAL: ACCEPTABLE CERTIFICATION**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements. Teachers of credit-bearing courses in grades seven and eight must either hold middle-level or secondary certification in the content area or hold middle school certification and have passed the middle-level or secondary Praxis II exam in the content area.

| Subject Area | Certif.<br>Code | Acceptable Certification |
|--------------|-----------------|--------------------------|
|--------------|-----------------|--------------------------|

| Special Areas, Exploratory Programs |          |  |
|-------------------------------------|----------|--|
| Agriculture, Introduction to        | 30       | Agriculture  |
| Career Education, Introduction to   | (NC)     | Middle-level certification or any CATE certification <i>plus</i> training and/or mentoring approved by the Office of Career and Technology Education |
| Gateway to Technology               | (NC)     | Baccalaureate and certification in any area <i>plus</i> Project Lead the Way certification   |
| Industrial Technology Education     | 36<br>29 | Industrial Arts*<br>Industrial Technology Education  |
| Personal Skills                     | 35       | Family and Consumer Science (Home Economics)   |

‡ = Not acceptable after October 1, 2008

\* = No longer issued

**GRADES 9–12****REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION *and*  
ALL MANDATORY ATTENDANT TRAINING**

Note: Beginning the 2006–07 school year, teachers of core academic subjects must meet No Child Left Behind requirements.

| Activity Code                        | Course Title   | Certif. Code   | Acceptable Certification and Mandatory Attendant Training   |
|--------------------------------------|--|--|---|
| <b>Computer Science</b>              |  |  |   |
| 4771<br>4772                         | AP Computer Science A<br>AP Computer Science AB                              | (NC)   | 43 Accounting*<br>44 Accounting and Related Business*<br>48 Accounting and Related Economics*<br>47 Business Education*<br>40 Commerce*<br>46 Data/Information Processing*<br>10 Mathematics<br>45 Secretarial Science*<br>41 Shorthand*<br>42 Typing*<br><i>plus</i> AP endorsement in the particular course   |
| 4701                                 | Computer, Introduction to the  | 43<br>44<br>48<br>47<br>4B<br>40<br>46<br>10<br>45<br>41<br>42<br><br>(NC) | Accounting*<br>Accounting and Related Business*<br>Accounting and Related Economics*<br>Business Education*<br>Business and Marketing Technology<br>Commerce*<br>Data/Information Processing*<br>Mathematics<br>Secretarial Science*<br>Shorthand*<br>Typing*<br><i>or</i><br>Certification in any area<br><i>plus</i> 12 credit hours in technology applications and/or technology integration |
| 473A                                 | Information Technology in a Global Society                                   | (NC)   | Certification in any secondary-level subject area<br><i>plus</i> IB training in the specific subject  |
| <b>Driver Training</b>               |  |  |   |
| 3701                                 | Driver Education   | 63   | Driver Training   |
| <b>English Language Arts</b>         |  |  |   |
| 3030                                 | Advanced Composition   | 04   | English   |
| 3070<br>3071                         | AP English Language and Composition<br>AP English Literature and Composition | (NC)   | 04 English<br><i>plus</i> AP endorsement in the particular course   |
| 3021<br>3022                         | Communication for the Workplace 3<br>Communication for the Workplace 4       | (NC)   | 04 English<br><i>plus</i> Tech Prep training in the subject area  |
| 3032<br>3011<br>3012<br>3013<br>3014 | Creative Writing<br>English 1<br>English 2<br>English 3<br>English 4         | 04   | English   |

\* = No longer issued



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| <b>Activity Code</b>   | <b>Course Title</b>  | <b>Certif. Code</b> | <b>Acceptable Certification and Mandatory Attendant Training</b>                            |
|--|--|---------------------|---|
| 301A<br>301B<br>301C<br>301D<br>301E<br>301F                         | English A1 SL<br>English A1 HL-1<br>English A1 HL-2<br>English A2 SL<br>English A2 HL-1<br>English A2 HL-2   | (NC)                | 04 English<br><i>plus</i> IB training in the specific subject                               |
| 3050<br>3051   | Journalism 1<br>Journalism 2   | 04                  | English   |
| 3040   | Speech   | 04<br>57            | English<br>Speech and Drama*  |
| 3060   | Vocabulary   | 04                  | English   |
| <b>Foreign Languages</b>   |  |                     |   |
| 3671<br>3672   | AP French Language<br>AP French Literature   | (NC)                | 05 French<br><i>plus</i> AP endorsement in the particular course                            |
| 3673   | AP German Language   | (NC)                | 08 German<br><i>plus</i> AP endorsement in the particular course                            |
| 3677<br>3674   | AP Latin—Literature<br>AP Latin—Vergil   | (NC)                | 06 Latin<br><i>plus</i> AP endorsement in the particular course                             |
| 3675<br>3676   | AP Spanish Language<br>AP Spanish Literature   | (NC)                | 07 Spanish<br><i>plus</i> AP endorsement in the particular course                           |
| 461A<br>461B<br>461C   | Chinese A1 SL<br>Chinese A1 HL-1<br>Chinese A1 HL-2  | (NC)                | Certification in a foreign language area<br><i>plus</i> IB training in the specific subject |
| 3611<br>3612<br>3613<br>3614<br>3615                                 | French 1<br>French 2<br>French 3<br>French 4<br>French 5   | 05                  | French  |
| 361A<br>361B<br>361C<br>361D<br>361E<br>361F<br>361G<br>361H<br>361I | French A1 SL<br>French A1 HL-1<br>French A1 HL-2<br>French A2 HL-1<br>French A2 HL-2<br>French Ab initio SL<br>French B SL<br>French B HL-1<br>French B HL-2 | (NC)                | 05 French<br><i>plus</i> IB training in the specific subject                                |
| 3621<br>3622<br>3623<br>3624<br>3625                                 | German 1<br>German 2<br>German 3<br>German 4<br>German 5   | 08                  | German  |

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| <b>Activity Code</b>   | <b>Course Title</b>  | <b>Certif. Code</b> | <b>Acceptable Certification and Mandatory Attendant Training</b> |
|--|--|---------------------|--|
| 362A<br>362B<br>362C<br>362D<br>362E<br>362F<br>362G<br>362H<br>362I | German A1 SL<br>German A1 HL-1<br>German A1 HL-2<br>German A2 HL-1<br>German A2 HL-2<br>German Ab initio SL<br>German B SL<br>German B HL-1<br>German B HL-2                   | (NC)                | 08 German<br><i>plus</i> IB training in the specific subject     |
| 3661<br>3662<br>3663<br>3664<br>3667                                 | Japanese 1<br>Japanese 2<br>Japanese 3<br>Japanese 4<br>Japanese 5   | 5B                  | Japanese   |
| 366A<br>366B<br>366C<br>366D<br>366E<br>366F<br>366G<br>366H<br>366I | Japanese A1 SL<br>Japanese A1 HL-1<br>Japanese A1 HL-2<br>Japanese A2 HL-1<br>Japanese A2 HL-2<br>Japanese Ab initio SL<br>Japanese B SL<br>Japanese B HL-1<br>Japanese B HL-2 | (NC)                | 5B Japanese<br><i>plus</i> IB training in the specific subject   |
| 3631<br>3632<br>3633<br>3634<br>3636                                 | Latin 1<br>Latin 2<br>Latin 3<br>Latin 4<br>Latin 5  | 06                  | Latin  |
| 363A<br>363B<br>363C   | Latin SL<br>Latin HL-1<br>Latin HL-2   | (NC)                | 06 Latin<br><i>plus</i> IB training in the specific subject      |
| 365A<br>365B<br>365C<br>365D<br>365E<br>365F<br>365G<br>365H<br>365I | Spanish A1 SL<br>Spanish A1 HL-1<br>Spanish A1 HL-2<br>Spanish A2 HL-1<br>Spanish A2 HL-2<br>Spanish Ab initio SL<br>Spanish B SL<br>Spanish B HL-1<br>Spanish B HL-2          | (NC)                | 07 Spanish<br><i>plus</i> IB training in the specific subject    |
| 3641<br>3642<br>3643<br>3644<br>3647                                 | Russian 1<br>Russian 2<br>Russian 3<br>Russian 4<br>Russian 5  | 09                  | Russian  |

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| <b>Activity Code</b>                 | <b>Course Title</b>  | <b>Certif. Code</b>              | <b>Acceptable Certification and Mandatory Attendant Training</b>   |
|--------------------------------------|--|----------------------------------|--|
| 3651<br>3652<br>3653<br>3654<br>3655 | Spanish 1<br>Spanish 2<br>Spanish 3<br>Spanish 4<br>Spanish 5                                | 07                               | Spanish  |
| <b>Health and Physical Education</b> |  |                                  |  |
| 3445                                 | Adaptive Physical Education  | 65<br>66<br>67                   | Health and Physical Education*<br>Health and Physical Education, Part-Time*<br>Physical Education  |
| 3401                                 | Family and Community Health  | 13<br>64<br>65<br>66<br>67<br>12 | General Science*<br>Health<br>Health and Physical Education*<br>Health and Physical Education, Part-Time*<br>Physical Education<br>Science                             |
| 3403                                 | Human Growth and Development   | 14<br>35<br>64<br>65<br>66<br>67 | Biology<br>Family and Consumer Science (Home Economics)<br>Health<br>Health and Physical Education*<br>Health and Physical Education, Part-Time*<br>Physical Education |
| 3402                                 | Personal Health and Wellness   | 13<br>64<br>65<br>66<br>67<br>12 | General Science*<br>Health<br>Health and Physical Education*<br>Health and Physical Education, Part-Time*<br>Physical Education<br>Science                             |
| 3441<br>3442<br>3443<br>3444         | Physical Education 1<br>Physical Education 2<br>Physical Education 3<br>Physical Education 4 | 65<br>66<br>67                   | Health and Physical Education*<br>Health and Physical Education, Part-Time*<br>Physical Education  |
| <b>Junior ROTC</b>                   |  |                                  |  |
| 3751<br>3752<br>3753<br>3754         | Junior ROTC 1<br>Junior ROTC 2<br>Junior ROTC 3<br>Junior ROTC 4                             | (NC)                             | Endorsement by service branch (state teacher certification <i>not</i> required)  |
| <b>Mathematics</b>                   |  |                                  |  |
| 4111<br>4112<br>4113                 | Algebra 1<br>Algebra 2<br>Algebra 3  | 10                               | Mathematics  |
| 4170<br>4172                         | AP Calculus AB<br>AP Calculus BC   | (NC)                             | 10 Mathematics<br><i>plus</i> AP endorsement in the particular course  |

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| <b>Activity Code</b>         | <b>Course Title</b>  | <b>Certif. Code</b> | <b>Acceptable Certification and Mandatory Attendant Training</b>   |
|------------------------------|--|---------------------|--|
| 4171                         | AP Statistics  |                     |  |
| 4135<br>4142                 | Calculus<br>Discrete Mathematics   | 10                  | Mathematics  |
| 311C                         | Further Mathematics SL   | (NC)                | 10 Mathematics<br><i>plus</i> IB training in the specific subject  |
| 4121                         | Geometry   | 10                  | Mathematics  |
| 311A<br>311B<br>311D<br>311E | Mathematical Methods SL<br>Mathematical Studies SL<br>Mathematics HL-1<br>Mathematics HL-2   | (NC)                | 10 Mathematics<br><i>plus</i> IB training in the specific subject  |
| 3141<br>3142<br>3143<br>3144 | Mathematics for the Technologies 1<br>Mathematics for the Technologies 2<br>Mathematics for the Technologies 3<br>Mathematics for the Technologies 4 | (NC)                | 10 Mathematics<br><i>plus</i> Tech Prep training in the subject area   |
| 4141<br>4131                 | Probability and Statistics<br>Precalculus  | 10                  | Mathematics  |
| <b>Natural Sciences</b>      |  |                     |  |
| 3263                         | Anatomy and Physiology   | 14<br>12            | Biology<br>Science   |
| 3272                         | AP Biology   | (NC)                | 14 Biology<br>12 Science<br><i>plus</i> AP endorsement in the particular course  |
| 3273                         | AP Chemistry   | (NC)                | 15 Chemistry<br>12 Science<br><i>plus</i> AP endorsement in the particular course  |
| 3277                         | AP Environmental Science   | (NC)                | 30 Agriculture<br>14 Biology<br>37 Environmental Science and Natural Resources<br>13 General Science*<br>12 Science<br><i>plus</i> AP endorsement in the particular course |
| 3274<br>3276<br>3275         | AP Physics B<br>AP Physics C: Electricity and Magnetism<br>AP Physics C: Mechanics   | (NC)                | 16 Physics<br>12 Science<br><i>plus</i> AP endorsement in the particular course  |
| 3226<br>3227                 | Applied Biology 1<br>Applied Biology 2   | (NC)                | 14 Biology<br>15 Chemistry<br>12 Science<br><i>plus</i> Tech Prep training in the subject area   |
| 3251                         | Astronomy  | 17                  | Earth Science*   |

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|----------------------|--|----------------------------|---|
|                      |  | 13<br>16<br>12             | General Science*<br>Physics<br>Science  |
| 3221                 | Biology 1  | 14<br>3A<br>12             | Biology<br>Marine Biology*<br>Science   |
| 3222                 | Biology 2  | 14<br>12                   | Biology<br>Science  |
| 322A<br>322B<br>322C | Biology SL<br>Biology HL-1<br>Biology HL-2       | (NC)                       | 14 Biology<br>12 Science<br><i>plus</i> IB training in the specific subject                                     |
| 3231<br>3232         | Chemistry 1<br>Chemistry 2                       | 15<br>12                   | Chemistry<br>Science  |
| 323A<br>323B<br>323C | Chemistry SL<br>Chemistry HL-1<br>Chemistry HL-2 | (NC)                       | 15 Chemistry<br>12 Science<br><i>plus</i> IB training in the specific subject                                   |
| 3236                 | Chemistry for the Technologies                   | (NC)                       | 15 Chemistry<br>12 Science<br><i>plus</i> Tech Prep training in the subject area                                |
| 3265                 | Earth Science                                    | 17<br>13<br>12             | Earth Science*<br>General Science*<br>Science   |
| 3261                 | Environmental Studies                            | 30<br>14<br>37<br>13<br>12 | Agriculture<br>Biology<br>Environmental Science and Natural Resources<br>General Science*<br>Science            |
| 326A                 | Environmental Systems SL                         | (NC)                       | 37 Environmental Science and Natural Resources<br>12 Science<br><i>plus</i> IB training in the specific subject |
| 3210                 | Integrated Science                               | 14<br>15<br>13<br>16<br>12 | Biology<br>Chemistry<br>General Science*<br>Physics<br>Science  |
| 3225                 | Marine Science                                   | 14<br>3A<br>12             | Biology<br>Marine Biology*<br>Science   |
| 3211                 | Physical Science                                 | 15<br>13<br>16<br>12       | Chemistry<br>General Science*<br>Physics<br>Science   |

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|-----------------------|--|---------------------|--|
| 3241                  | Physics  | 16<br>12            | Physics<br>Science   |
| 324A<br>324B<br>324C  | Physics SL<br>Physics HL-1<br>Physics HL-2                       | (NC)                | 16 Physics<br>12 Science<br><i>plus</i> IB training in the specific subject                            |
| 3243<br>3244          | Physics for the Technologies 1<br>Physics for the Technologies 2 | (NC)                | 16 Physics<br>12 Science<br><i>plus</i> Tech Prep training in the subject area                         |
| <b>Social Studies</b> |  |                     |  |
| 3378                  | AP Comparative Government  | (NC)                | 25 Government<br>20 Social Studies<br><i>plus</i> AP endorsement in the particular course              |
| 3376                  | AP European History  | (NC)                | 21 History<br>20 Social Studies<br><i>plus</i> AP endorsement in the particular course                 |
| 3379                  | AP Human Geography   | (NC)                | 24 Geography<br>21 History<br>20 Social Studies<br><i>plus</i> AP endorsement in the particular course |
| 3374<br>3375          | AP Macroeconomics<br>AP Microeconomics                           | (NC)                | 23 Economics<br>20 Social Studies<br><i>plus</i> AP endorsement in the particular course               |
| 4371                  | AP Psychology  | (NC)                | 26 Psychology<br>20 Social Studies<br><i>plus</i> AP endorsement in the particular course              |
| 3373                  | AP U.S. Government   | (NC)                | 25 Government<br>20 Social Studies<br><i>plus</i> AP endorsement in the particular course              |
| 3372<br>3377          | AP U.S. History<br>AP World History                              | (NC)                | 21 History<br>20 Social Studies<br><i>plus</i> AP endorsement in the particular course                 |
| 3335<br>3337          | Civics<br>Current Events/Foreign Policy                          | 25<br>21<br>20      | Government<br>History<br>Social Studies  |
| 3350                  | Economics  | 23<br>20            | Economics<br>Social Studies  |
| 335A<br>335B<br>335C  | Economics SL<br>Economics HL-1<br>Economics HL-2                 | (NC)                | 23 Economics<br>20 Social Studies<br><i>plus</i> IB training in the specific subject                   |
| 3349                  | Environmental Studies  | 20                  | Social Studies   |

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|--|--|---------------------|--|
| 331A<br>331B<br>331C   | Geography SL<br>Geography HL-1<br>Geography HL-2   | (NC)                | 24 Geography<br>20 Social Studies<br><i>plus</i> IB training in the specific subject                 |
| 3310<br>3360   | Global Studies—World Geography<br>Global Studies—World History   | 24<br>21<br>20      | Geography<br>History<br>Social Studies   |
| 336A<br>336B<br>336C<br>336D<br>336E<br>336F<br>336G<br>336H<br>336I<br>336J<br>336K | History: Africa HL-1<br>History: Africa HL-2<br>History of Americas HL-1<br>History of Americas HL-2<br>History: S Asian and the Middle East HL-1<br>History: S Asian and the Middle East HL-2<br>History: E and SE Asia and Oceania HL-1<br>History: E and SE Asia and Oceania HL-2<br>History of Europe HL-1<br>History of Europe HL-2<br>History SL | (NC)                | 24 Geography<br>21 History<br>20 Social Studies<br><i>plus</i> IB training in the specific subject   |
| 3336   | Law Education  | 25<br>20            | Government<br>Social Studies   |
| 338A<br>338B<br>338C   | Philosophy SL<br>Philosophy HL-1<br>Philosophy HL-2  | (NC)                | 20 Social Studies<br><i>plus</i> IB training in the specific subject                                 |
| 3340   | Psychology   | 26<br>20            | Psychology<br>Social Studies   |
| 334A<br>334B<br>334C   | Psychology SL<br>Psychology HL-1<br>Psychology HL-2  | (NC)                | 26 Psychology<br>20 Social Studies<br><i>plus</i> IB training in the specific subject                |
| 338D<br>338E<br>338F   | Social Anthropology SL<br>Social Anthropology HL-1<br>Social Anthropology HL-2   | (NC)                | 20 Social Studies<br><i>plus</i> IB training in the specific subject                                 |
| 3345   | Sociology  | 20<br>27            | Social Studies<br>Sociology  |
| 338G   | Theory of Knowledge  | (NC)                | Certification in any secondary-level subject area<br><i>plus</i> IB training in the specific subject |
| 3330   | U.S. Government  | 25<br>20            | Government<br>Social Studies   |
| 3320   | U.S. History and Constitution  | 21<br>20            | History<br>Social Studies  |
| 3365   | Western Civilization   | 24<br>21<br>20      | Geography<br>History<br>Social Studies   |

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|--|--|----------------------|---|
| <b>Visual and Performing Arts</b>                            |  |                      |   |
| 3571<br>3575<br>3574<br>3572                                 | AP Art History<br>AP Studio Art: Three-Dimensional Design<br>AP Studio Art: Two-Dimensional Design<br>AP Studio Art: Drawing | (NC)                 | 49 Advanced Fine Arts<br>50 Art<br><i>plus</i> AP endorsement in the particular course  |
| 3576   | AP Music Theory  | (NC)                 | 49 Advanced Fine Arts<br>51 Music Education—Choral<br>54 Music Education—Instrumental<br>52 Music Education—Piano<br>56 Music Education—Violin<br>53 Music Education—Voice<br><i>plus</i> AP endorsement in the particular course |
| 3501<br>3502<br>3503<br>3504<br>3511<br>3512<br>3513<br>3514 | Art 1<br>Art 2<br>Art 3<br>Art 4<br>Art Appreciation 1<br>Art Appreciation 2<br>Art Appreciation 3<br>Art Appreciation 4     | 49<br>50             | Advanced Fine Arts<br>Art   |
| 4506   | Ballet   | 49<br>58             | Advanced Fine Arts<br>Dance   |
| 3531<br>3532<br>3533<br>3534<br>3530                         | Band 1<br>Band 2<br>Band 3<br>Band 4<br>Band Rehearsal   | 49<br>54             | Advanced Fine Arts<br>Music Education—Instrumental  |
| 3541<br>3542<br>3543<br>3544<br>3540                         | Chorus 1<br>Chorus 2<br>Chorus 3<br>Chorus 4<br>Chorus Rehearsal   | 49<br>51<br>53<br>54 | Advanced Fine Arts<br>Music Education—Choral<br>Music Education—Voice<br>Music Education—Instrumental   |
| 4501<br>4502<br>4503<br>4504                                 | Dance 1<br>Dance 2<br>Dance 3<br>Dance 4   | 49<br>58             | Advanced Fine Arts<br>Dance   |
| 450A   | Dance SL   | (NC)                 | 58 Dance<br><i>plus</i> IB training in the specific subject   |
| 4521<br>4522<br>4523<br>4524                                 | Drama 1<br>Drama 2<br>Drama 3<br>Drama 4   | 49<br>04<br>57<br>5C | Advanced Fine Arts<br>English<br>Speech and Drama*<br>Theater   |

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|--------------------------------------|---|----------------------------------|---|
| 3551<br>3552<br>3553<br>3554<br>3550 | Instrumental Music: Orchestra—Strings 1<br>Instrumental Music: Orchestra—Strings 2<br>Instrumental Music: Orchestra—Strings 3<br>Instrumental Music: Orchestra—Strings 4<br>Instrumental Music: Orchestra—Strings Rehearsal | 49<br>54<br>56                   | Advanced Fine Arts<br>Music Education—Instrumental<br>Music Education—Violin  |
| 356A<br>356B<br>356C                 | Music SL<br>Music HL-1<br>Music HL-2  | (NC)                             | 49 Advanced Fine Arts<br>51 Music Education—Choral<br>54 Music Education—Instrumental<br>52 Music Education—Piano<br>56 Music Education—Violin<br>53 Music Education—Voice<br><i>plus</i> IB training in the specific subject |
| 3561<br>3562<br>3563<br>3564         | Music Appreciation 1<br>Music Appreciation 2<br>Music Appreciation 3<br>Music Appreciation 4  | 49<br>51<br>54<br>52<br>56<br>53 | Advanced Fine Arts<br>Music Education—Choral<br>Music Education—Instrumental<br>Music Education—Piano<br>Music Education—Violin<br>Music Education—Voice  |
| 452A<br>452B<br>452C                 | Theatre Arts SL<br>Theatre Arts HL-1<br>Theatre Arts HL-2   | (NC)                             | 5C Theater<br><i>plus</i> IB training in the specific subject   |
| 351A<br>351B<br>351C<br>351D         | Visual Arts A SL<br>Visual Arts B SL<br>Visual Arts HL-1<br>Visual Arts HL-2  | (NC)                             | 49 Advanced Fine Arts<br>50 Art<br><i>plus</i> IB training in the specific subject  |

**CAREER AND TECHNOLOGY EDUCATION**

| <b>REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i><br/>ALL MANDATORY ATTENDANT TRAINING</b> |  |                     |  |
|---|--|---------------------|--|
| <b>Activity Code</b>  | <b>Course Title</b>  | <b>Certif. Code</b> | <b>Acceptable Certification and Mandatory Attendant Training</b> |
| <b>Agriculture, Food, and Natural Resources</b>   |  |                     |  |
| 5624<br>5625  | Agricultural and Environmental Sciences 1<br>Agricultural and Environmental Sciences 2   | 30<br>37            | Agriculture<br>Environmental Science and Natural Resources       |
| 5600<br>5601  | Agricultural Business Management 1<br>Agricultural Business Management 2   | 30                  | Agriculture  |
| 5610<br>5611  | Agricultural Mechanics 1<br>Agricultural Mechanics 2   | AA<br>30<br>31      | Agricultural Mechanics<br>Agriculture<br>Agriculture Mechanics   |
| 5614<br>5615<br>5606<br>5607<br>5660<br>5661<br>5663<br>5664  | Agricultural Products 1<br>Agricultural Products 2<br>Agricultural Sales and Services 1<br>Agricultural Sales and Services 2<br>Agricultural Technology 1<br>Agricultural Technology 2<br>Aquaculture 1<br>Aquaculture 2 | 30                  | Agriculture  |
| 5626<br>5627  | Environmental and Natural Resources 1<br>Environmental and Natural Resources 2   | 30<br>37            | Agriculture<br>Environmental Science and Natural Resources       |
| 5679<br>5680  | Equine Science 1<br>Equine Science 2   | 30<br>34            | Agriculture<br>Animal Science                                    |
| 5634<br>5635  | Floriculture 1<br>Floriculture 2   | 30<br>39            | Agriculture<br>Horticulture                                      |
| 5657<br>5658  | Food Science Technology and Nutrition 1<br>Food Science Technology and Nutrition 2   | 30                  | Agriculture  |
| 5642<br>5643  | Forestry 1<br>Forestry 2   | 30<br>38            | Agriculture<br>Forestry  |
| 5667<br>5668<br>5650<br>5651<br>5670<br>5671  | Golf Course Technology 1<br>Golf Course Technology 2<br>Horticulture 1, Introduction to<br>Horticulture 2, Introduction to<br>Landscape Technology 1<br>Landscape Technology 2   | 30<br>39            | Agriculture<br>Horticulture                                      |
| 5646<br>5647  | Livestock Management 1<br>Livestock Management 2   | 30<br>34            | Agriculture<br>Animal Science                                    |
| 5672<br>5673  | Nursery, Greenhouse, and Garden Center<br>Technology 1<br>Nursery, Greenhouse, and Garden Center<br>Technology 2   | 30<br>39            | Agriculture<br>Horticulture                                      |
| 5612<br>5613  | Small Animal Care 1<br>Small Animal Care 2   | 30<br>34            | Agriculture<br>Animal Science                                    |
| 5654<br>5655<br>5674  | Turf and Lawn Management 1<br>Turf and Lawn Management 2<br>Wildlife Management 1  | 30<br>39            | Agriculture<br>Horticulture                                      |

\* = No longer issued

**CAREER AND TECHNOLOGY EDUCATION**

| <b>REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i><br/>ALL MANDATORY ATTENDANT TRAINING</b> |  |  |   |
|---|--|--|---|
| <b>Activity Code</b>  | <b>Course Title</b>  | <b>Certif. Code</b>                    | <b>Acceptable Certification and Mandatory Attendant Training</b>  |
| 5675  | Wildlife Management 2  |  |   |
| 5690  | Agriculture, Food, and Natural Resources, work-based credit  | AA<br>30<br>31<br>34<br>37<br>38<br>39 | Agricultural Mechanics<br>Agriculture<br>Agriculture Mechanics<br>Animal Science<br>Environmental Science and Natural Resources<br>Forestry<br>Horticulture |
| <b>Architecture and Construction</b>  |  |  |   |
| 6003<br>6004<br>6005<br>6006  | Air Conditioning and Refrigeration Technology 1<br>Air Conditioning and Refrigeration Technology 2<br>Air Conditioning and Refrigeration Technology 3<br>Air Conditioning and Refrigeration Technology 4 | AG                                     | Environmental Control Systems (HVAC)  |
| 6690  | Architecture and Construction, work-based credit   | AL<br>AP<br>AM<br>AV<br>AG<br>BC       | Brick Masonry<br>Cabinetmaking<br>Carpentry<br>Electricity<br>Environmental Control Systems (HVAC)<br>Plumbing  |
| 6060<br>6061<br>6062<br>6063  | Building Construction Cluster 1<br>Building Construction Cluster 2<br>Building Construction Cluster 3<br>Building Construction Cluster 4   | AM                                     | Carpentry   |
| 6080<br>6081<br>6082<br>6083  | Cabinetmaking 1<br>Cabinetmaking 2<br>Cabinetmaking 3<br>Cabinetmaking 4   | AP                                     | Cabinetmaking   |
| 6091<br>6092<br>6093<br>6094  | Carpentry 1<br>Carpentry 2<br>Carpentry 3<br>Carpentry 4   | AM                                     | Carpentry   |
| 6001  | Construction, Introduction to  | AL<br>AP<br>AM<br>AV<br>AG<br>29<br>BC | Brick Masonry<br>Cabinetmaking<br>Carpentry<br>Electricity<br>Environmental Control Systems (HVAC)<br>Industrial Technology Education<br>Plumbing           |
| 6287<br>6288<br>6289<br>6290  | Electricity 1<br>Electricity 2<br>Electricity 3<br>Electricity 4   | AV                                     | Electricity   |
| 6250<br>6251<br>6252  | Masonry 1<br>Masonry 2<br>Masonry 3  | AL                                     | Brick Masonry   |

\* = No longer issued

**CAREER AND TECHNOLOGY EDUCATION**

| <b>REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i><br/>ALL MANDATORY ATTENDANT TRAINING</b> |  |  |   |
|---|--|--|---|
| <b>Activity Code</b>  | <b>Course Title</b>  | <b>Certif. Code</b>  | <b>Acceptable Certification and Mandatory Attendant Training</b>  |
| 6253  | Masonry 4  |  |   |
| 6280<br>6281<br>6282<br>6283  | Plumbing 1<br>Plumbing 2<br>Plumbing 3<br>Plumbing 4   | BC   | Plumbing  |
| <b>Arts, Audio-Video Technology, and Communications</b>   |  |  |   |
| 6120<br>6121<br>6122<br>6123  | Advertising Design 1<br>Advertising Design 2<br>Advertising Design 3<br>Advertising Design 4   | BN<br>AX   | Commercial Art<br>Graphic Communication   |
| 6170<br>6171  | Architectural Design 1<br>Architectural Design 2   | AU   | Drafting  |
| 5290  | Arts, Audio-Video Technology, and Communications, work-based credit  | BN<br>AU<br>AX   | Commercial Art<br>Drafting<br>Graphic Communication   |
| 6200<br>6201<br>6202<br>6203  | Graphic Communication 1<br>Graphic Communication 2<br>Graphic Communication 3<br>Graphic Communication 4   | AX   | Graphic Communication   |
| 5205  | Graphic Communication, Introduction to   | BN<br>AU<br>AX<br>29   | Commercial Art<br>Drafting<br>Graphic Communication<br>Industrial Technology Education  |
| 6172<br>6173  | Mechanical Design 1<br>Mechanical Design 2   | AU   | Drafting  |
| <b>Business, Management, and Administration</b>   |  |  |   |
| 5001<br>5005<br>5122<br>5040<br>5035<br>5090<br>5131<br>5047<br>5044<br>5490                          | Accounting 1<br>Accounting 2<br>Administrative Support Technology<br>Business and Electronic Communication<br>Business and Marketing Internet Applications<br>Business and Marketing, Introduction to<br>Business and Personal Finance<br>Business Computer Mathematics<br>Business Law<br>Business, Management, and Administration, work-based credit | 43<br>44<br>48<br>4B<br>47<br>40<br>46<br>32<br>45<br>41<br>42 | Accounting*<br>Accounting and Related Business*<br>Accounting and Related Economics*<br>Business and Marketing Technology<br>Business Education*<br>Commerce*<br>Data/Information Processing*<br>Distributive Education*<br>Secretarial Science*<br>Shorthand*<br>Typing* |

\* = No longer issued

## CAREER AND TECHNOLOGY EDUCATION

| REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i><br>ALL MANDATORY ATTENDANT TRAINING  |   |  |   |
|--|---|--|---|
| Activity Code  | Course Title  | Certif. Code   | Acceptable Certification and Mandatory Attendant Training   |
| 5008<br>5009<br>5060<br>5176<br>5180<br>5177<br>5036<br>5400<br>5020<br>5021<br>5032<br>5100<br>5030<br>5178<br>5043<br>5150<br>5151<br>5152<br>5153 | Computer Applications 1<br>Computer Applications 2<br>Computer Technology, Introduction to Desktop Publishing<br>Digital Input Technologies<br>Document Processing<br>E-Commerce<br>Entrepreneurship<br>Integrated Business Applications 1<br>Integrated Business Applications 2<br>International Business and Marketing<br>Keyboarding<br>Multimedia<br>Professional and Leadership Development<br>Technical Writing<br>Virtual Enterprise 1<br>Virtual Enterprise 2<br>Virtual Enterprise 3<br>Virtual Enterprise 4 | <br><br><br><br>43<br>44<br>48<br>4B<br>47<br>40<br>46<br>32<br>45<br>41<br>42 | <br><br><br><br>Accounting*<br>Accounting and Related Business*<br>Accounting and Related Economics*<br>Business and Marketing Technology<br>Business Education*<br>Commerce*<br>Data/Information Processing*<br>Distributive Education*<br>Secretarial Science*<br>Shorthand*<br>Typing*   |
| 5031<br>5033   | Web Page Design and Development 1<br>Web Page Design and Development 2  | 43<br>44<br>48<br>4B<br>47<br>40<br>46<br>32<br>45<br>41<br>42<br><br>(NC)     | Accounting*<br>Accounting and Related Business*<br>Accounting and Related Economics*<br>Business and Marketing Technology<br>Business Education*<br>Commerce*<br>Data/Information Processing*<br>Distributive Education*<br>Secretarial Science*<br>Shorthand*<br>Typing*<br><br><i>or</i><br>Certification in any area<br><i>plus</i> any industry Web certification (e.g., CIW) |
| Education and Training   |   |  |   |
| 5800<br>5801<br>5702<br>5700<br>5701<br>6390   | Child Development 1<br>Child Development 2<br>Early Childhood Education, Introduction to<br>Early Childhood Education 1<br>Early Childhood Education 2<br>Education and Training, work-based credit   | <br><br><br>35   | <br><br><br>Family and Consumer Science (Home Economics)  |

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**CAREER AND TECHNOLOGY EDUCATION**

| <b>REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i><br/>ALL MANDATORY ATTENDANT TRAINING</b> |   |                            |  |
|---|---|----------------------------|--|
| <b>Activity Code</b>  | <b>Course Title</b>   | <b>Certif. Code</b>        | <b>Acceptable Certification and Mandatory Attendant Training</b>   |
| <b>Health Science</b>   |   |                            |  |
| 5530  | Emergency Medical Services 1  | AC<br><br>(NC)<br><br>(NC) | Health Science Technology<br><i>or</i><br>Certification in any area<br><i>plus</i> American Red Cross First Aid, Cardiopulmonary Resuscitation, and Automated External Defibrillator instructor certification<br><i>or</i><br>Certification in any area<br><i>plus</i> American Heart Association Basic Life Support and Heartsaver First Aid instructor certification |
| 5531<br>5532  | Emergency Medical Services 2<br>Emergency Medical Services 3  | AC<br><br>(NC)             | Health Science Technology<br><i>or</i><br>Certification in any area<br><i>plus</i> American Red Cross Emergency Response instructor certification  |
| 5533  | Emergency Medical Services 4  | (NC)                       | AC Health Science Technology<br><i>plus</i> DHEC paramedic certification   |
| 5560  | Gerontology   | (NC)                       | AC Health Science Technology<br><i>plus</i> S.C. Board of Nursing registered nurse (RN) licensure  |
| 5590  | Health Science, work-based credit   | AC<br><br>(NC)             | Health Science Technology<br><i>or</i><br>Certification in any area<br><i>plus</i> either state athletic trainer certification or any American Red Cross instructor certification  |
| 5550<br>5551<br>5554<br>5540  | Health Science Technology 1<br>Health Science Technology 2<br>Health Science, Introduction to Medical Terminology | AC                         | Health Science Technology  |
| 5570  | Pharmacy Technology   | AC<br><br>(NC)             | Health Science Technology<br><i>or</i><br>Certification in any area<br><i>plus</i> PassAssured pharmacy technician teacher training  |
| 5520  | Practical Nursing, Phase 1  | (NC)                       | AC Health Science Technology<br><i>plus</i> S.C. Board of Nursing registered nurse (RN) licensure  |
| 5555<br>5556<br>5591  | Sports Medicine 1<br>Sports Medicine 2<br>Sports Medicine, work-based credit                                      | AC                         | Health Science Technology<br><i>or</i><br>Certification in any area  |

\* = No longer issued

## CAREER AND TECHNOLOGY EDUCATION

| REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i><br>ALL MANDATORY ATTENDANT TRAINING |   |  |   |
|---|---|--|---|
| Activity Code   | Course Title  | Certif. Code   | Acceptable Certification and Mandatory Attendant Training   |
|   |   | (NC)   | <i>plus</i> state athletic trainer certification  |
| <b>Hospitality and Tourism</b>  |   |  |   |
| 5720<br>5721<br>5722  | Culinary Arts 1<br>Culinary Arts 2<br>Culinary Arts, Introduction to  | AQ<br><br>(NC)   | Culinary Arts<br><i>or</i><br>35 Family and Consumer Science (Home Economics)<br><i>plus</i> one of the following:<br>completion of a basic commercial food preparation course approved by the State Department of Education's Office of Career and Technology Education or completion of at least one year of teaching Culinary Arts 1 full-time prior to July 1, 2005 |
| 5190<br>5476<br>5477<br>5478  | Hospitality and Tourism, work-based credit<br>Hospitality Management and Operations 1<br>Hospitality Management and Operations 2<br>Hospitality Management and Operations, Introduction to  | 43<br>44<br>48<br>4B<br>47<br>40<br>AQ<br>46<br>32<br>35<br><br>EC<br>45<br>41<br>42 | Accounting*<br>Accounting and Related Business*<br>Accounting and Related Economics*<br>Business and Marketing Technology<br>Business Education*<br>Commerce*<br>Culinary Arts<br>Data/Information Processing*<br>Distributive Education*<br>Family and Consumer Science (Home Economics)<br>Hospitality and Tourism<br>Secretarial Science*<br>Shorthand*<br>Typing*   |
| <b>Human Services/Family and Consumer Sciences</b>  |   |  |   |
| 5804<br>5805<br>5808<br>5809  | Clothing and Textiles 1<br>Clothing and Textiles 2<br>Consumer and Homemaking 1<br>Consumer and Homemaking 2  | 35   | Family and Consumer Science (Home Economics)  |
| 6150<br>6151<br>6152<br>6153  | Cosmetology 1<br>Cosmetology 2<br>Cosmetology 3<br>Cosmetology 4  | AT   | Cosmetology   |
| 5890<br>5820<br>5821<br>5812<br>5813<br>5757<br>5758<br>5824<br>5825                          | Family and Consumer Sciences, work-based credit<br>Family Life Education 1<br>Family Life Education 2<br>Financial Fitness 1<br>Financial Fitness 2<br>Food Science and Dietetics 1<br>Food Science and Dietetics 2<br>Foods and Nutrition 1<br>Foods and Nutrition 2 | 35   | Family and Consumer Science (Home Economics)  |

\* = No longer issued

**CAREER AND TECHNOLOGY EDUCATION**

| <b>REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i><br/>ALL MANDATORY ATTENDANT TRAINING</b> |  |  |   |
|---|--|--|---|
| <b>Activity Code</b>  | <b>Course Title</b>  | <b>Certif. Code</b>  | <b>Acceptable Certification and Mandatory Attendant Training</b>  |
| 5830<br>5831  | Housing and Interiors 1<br>Housing and Interiors 2   |  |   |
| 5790  | Human Services, work-based credit  | EA<br>AT<br>AQ<br>85<br>35<br>AY   | Child Care Services<br>Cosmetology<br>Culinary Arts<br>Early Childhood<br>Family and Consumer Science (Home Economics)<br>Industrial Sewing*  |
| 5834<br>5835  | Human Development: Responsible Life Choices 1<br>Human Development: Responsible Life Choices 2                                   | 35   | Family and Consumer Science (Home Economics)  |
| 6154<br>6155<br>6156<br>6157  | Nail Technology 1<br>Nail Technology 2<br>Nail Technology 3<br>Nail Technology 4   | AT<br>EG   | Cosmetology<br>Nail Technology  |
| 5816<br>5817<br>5759  | Parenting Education 1<br>Parenting Education 2<br>Sports Nutrition   | 35   | Family and Consumer Science (Home Economics)  |
| <b>Information Technology</b>   |  |  |   |
| 5050<br>5051<br>5052<br>5053  | Computer Programming 1<br>Computer Programming 2<br>Computer Programming 3<br>Computer Programming 4                             | 43<br>44<br>48<br>47<br>40<br>46<br>ED<br>10<br>45<br>41<br>42<br><br>(NC) | Accounting*<br>Accounting and Related Business*<br>Accounting and Related Economics*<br>Business Education*<br>Commerce*<br>Data/Information Processing*<br>Information Technology—Programming<br>Mathematics<br>Secretarial Science*<br>Shorthand*<br>Typing*<br><i>or</i><br>Certification in any area<br><i>plus</i> endorsement in computer programming |
| 5320<br>5321<br>5322<br>5323  | Computer Service Technology 1<br>Computer Service Technology 2<br>Computer Service Technology 3<br>Computer Service Technology 4 | AW<br><br>(NC)   | Electronics<br><i>or</i><br>Certification in any area<br><i>plus</i> content-specific certification under R 43-63   |
| 5330  | Home Systems Technology  | AV<br>AW<br>EE   | Electricity<br>Electronics<br>Information Technology—Networking   |
| 5270  | Information Technology Foundations   | 43<br>44<br>48<br>4B   | Accounting*<br>Accounting and Related Business*<br>Accounting and Related Economics*<br>Business and Marketing Technology   |

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**CAREER AND TECHNOLOGY EDUCATION**

| <b>REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i><br/>ALL MANDATORY ATTENDANT TRAINING</b> |   |  |  |
|---|---|--|--|
| <b>Activity Code</b>  | <b>Course Title</b>   | <b>Certif. Code</b>  | <b>Acceptable Certification and Mandatory Attendant Training</b>   |
|   |   | 47<br>40<br>46<br>32<br>AW<br>EE<br>ED<br>45<br>41<br>42   | Business Education*<br>Commerce*<br>Data/Information Processing*<br>Distributive Education*<br>Electronics<br>Information Technology—Networking<br>Information Technology—Programming<br>Secretarial Science*<br>Shorthand*<br>Typing*   |
| 5390  | Information Technology, work-based credit   | 43<br>44<br>48<br>4B<br>47<br>40<br>46<br>AW<br>EE<br>ED<br>10<br>45<br>41<br>42<br><br>(NC)<br><br>(NC) | Accounting*<br>Accounting and Related Business*<br>Accounting and Related Economics*<br>Business and Marketing Technology<br>Business Education*<br>Commerce*<br>Data/Information Processing*<br>Electronics<br>Information Technology—Networking<br>Information Technology—Programming<br>Mathematics<br>Secretarial Science*<br>Shorthand*<br>Typing*<br><i>or</i><br>Certification in any area<br><i>plus</i> content-specific certification under R 43-63<br><i>or</i><br>Certification in any area<br><i>plus</i> endorsement in computer programming |
| 5310<br>5311<br>5312<br>5313  | Networking 1<br>Networking 2<br>Networking 3<br>Networking 4  | EE<br><br>(NC)   | Information Technology—Networking<br><i>or</i><br>Certification in any area<br><i>plus</i> content-specific certification under R 43-63  |
| 5326<br>5325<br>5324  | Oracle Development Programming Language/Sequential Query Language<br>Oracle Java<br>Oracle Management/Sequential Query Language   | (NC)   | Certification in any area<br><i>plus</i> training in Oracle  |
| <b>Law, Public Safety, and Security</b>   |   |  |  |
| 6512<br>6513<br>6510<br>6511<br>6505  | Emergency and Fire Management Services 1<br>Emergency and Fire Management Services 2<br>Law Enforcement Services 1<br>Law Enforcement Services 2<br>Law, Public Safety, and Security, Introduction to | DA<br>DB<br>DD   | Criminal Justice<br>Protective Services<br>Fire Services   |

\* = No longer issued

**CAREER AND TECHNOLOGY EDUCATION**

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|---|--|----------------------------------|---|
| <b>Activity Code</b>  | <b>Course Title</b>  | <b>Certif. Code</b>              | <b>Acceptable Certification and Mandatory Attendant Training</b>  |
| 6590  | Law, Public Safety, and Security, work-based credit  |                                  |   |
| <b>Manufacturing</b>  |  |                                  |   |
| 6110<br>6111<br>6133<br>6134<br>6135<br>6136<br>6220<br>6221  | Communication Electronics 1<br>Communication Electronics 2<br>Core Electronics 1<br>Core Electronics 2<br>Core Electronics 3<br>Core Electronics 4<br>Industrial Electronics 1<br>Industrial Electronics 2 | AW                               | Electronics   |
| 6210<br>6211<br>6212<br>6213  | Industrial Systems Technology 1<br>Industrial Systems Technology 2<br>Industrial Systems Technology 3<br>Industrial Systems Technology 4   | CB                               | Industrial Maintenance Mechanics  |
| 6045  | Industrial Systems Technology, Introduction to   | AW<br>CB<br>29<br>BA<br>BE<br>BK | Electronics<br>Industrial Maintenance Mechanics<br>Industrial Technology Education<br>Machine Tool Technology<br>Sheet Metal<br>Welding |
| 6230<br>6231<br>6232<br>6233  | Machine Technology 1<br>Machine Technology 2<br>Machine Technology 3<br>Machine Technology 4   | BA                               | Machine Tool Technology   |
| 6490  | Manufacturing, work-based credit   | AW<br>BA<br>CB<br>BE<br>BK       | Electronics<br>Machine Tool Technology<br>Industrial Maintenance Mechanics<br>Sheet Metal<br>Welding                                    |
| 6260<br>6261<br>6262<br>6263  | Metal Fabrication 1<br>Metal Fabrication 2<br>Metal Fabrication 3<br>Metal Fabrication 4   | BE<br>BK                         | Sheet Metal<br>Welding  |
| 6340<br>6341<br>6342<br>6343  | Welding Technology 1<br>Welding Technology 2<br>Welding Technology 3<br>Welding Technology 4   | BK                               | Welding   |
| <b>Marketing, Sales, and Service</b>  |  |                                  |   |

**CAREER AND TECHNOLOGY EDUCATION**

| <b>REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i><br/>ALL MANDATORY ATTENDANT TRAINING</b> |  |  |  |
|---|--|--|--|
| <b>Activity Code</b>  | <b>Course Title</b>  | <b>Certif. Code</b>  | <b>Acceptable Certification and Mandatory Attendant Training</b>   |
| 5470  | Advertising  | 43<br>44<br>48<br>4B<br>47<br>40<br>46<br>32<br>45<br>41<br>42                   | Accounting*<br>Accounting and Related Business*<br>Accounting and Related Economics*<br>Business and Marketing Technology<br>Business Education*<br>Commerce*<br>Data/Information Processing*<br>Distributive Education*<br>Secretarial Science*<br>Shorthand*<br>Typing*  |
| 5710<br>5711<br>5712  | Fashion Design and Apparel Construction 1<br>Fashion Design and Apparel Construction 2<br>Fashion Design and Apparel Construction, Introduction to | EB<br>35<br>AY   | Clothing Design and Construction Services<br>Family and Consumer Science (Home Economics)<br>Industrial Sewing*  |
| 5410<br>5440<br>5421<br>5431  | Fashion Merchandising<br>Global Markets<br>Marketing<br>Marketing Management   | 43<br>44<br>48<br>4B<br>47<br>40<br>46<br>32<br>45<br>41<br>42                   | Accounting*<br>Accounting and Related Business*<br>Accounting and Related Economics*<br>Business and Marketing Technology<br>Business Education*<br>Commerce*<br>Data/Information Processing*<br>Distributive Education*<br>Secretarial Science*<br>Shorthand*<br>Typing*  |
| 5091  | Marketing, Sales, and Services, work-based credit  | 43<br>44<br>48<br>AY<br>4B<br>47<br>EB<br>40<br>46<br>32<br>35<br>45<br>41<br>42 | Accounting*<br>Accounting and Related Business*<br>Accounting and Related Economics*<br>Industrial Sewing*<br>Business and Marketing Technology<br>Business Education*<br>Clothing Design and Construction Services<br>Commerce*<br>Data/Information Processing*<br>Distributive Education*<br>Family and Consumer Science (Home Economics)<br>Secretarial Science*<br>Shorthand*<br>Typing* |

\* = No longer issued

## CAREER AND TECHNOLOGY EDUCATION

| REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i><br>ALL MANDATORY ATTENDANT TRAINING |  |  |   |
|---|--|--|---|
| Activity Code   | Course Title   | Certif. Code   | Acceptable Certification and Mandatory Attendant Training   |
| 5425  | Sports and Entertainment Marketing   | 43<br>44<br>48<br>4B<br>47<br>40<br>46<br>32<br>45<br>41<br>42 | Accounting*<br>Accounting and Related Business*<br>Accounting and Related Economics*<br>Business and Marketing Technology<br>Business Education*<br>Commerce*<br>Data/Information Processing*<br>Distributive Education*<br>Secretarial Science*<br>Shorthand*<br>Typing* |
| <b>Science, Technology, Engineering, and Mathematics</b>                                      |  |  |   |
| 6056<br>6057<br>6058<br>6053<br>6052<br>6054<br>6051  | Aerospace Technology<br>Bio-Technology<br>Civil Engineering and Architecture<br>Computer Integrated Manufacturing, Level 4<br>Digital Electronics, Level 3<br>Engineering Design and Development (Capstone), Level 5<br>Engineering Design, Introduction to, Level 1 | (NC)   | Baccalaureate and certification in any area<br><i>plus</i> Project Lead the Way certification   |
| 6040<br>6041  | Industrial Technology Education (Exploratory) 1<br>Industrial Technology Education (Exploratory) 2   | 29   | Industrial Technology Education   |
| 6090  | Pre-Engineering/Industrial Technology Education, work-based credit   | (NC)   | Baccalaureate and certification in any area<br><i>plus</i> Project Lead the Way certification   |
| 6095  | Pre-Engineering Technology, Introduction to  | (NC)   | Baccalaureate and certification in any area upon approval by the State Department of Education's Office of Career and Technology Education<br><i>plus</i> Project Lead the Way certification  |
| 6050<br>6059  | Principles of Engineering, Level 2<br>Telecommunications Engineering   | (NC)   | Baccalaureate and certification in any area<br><i>plus</i> Project Lead the Way certification   |
| <b>Transportation, Distribution, and Logistics</b>  |  |  |   |
| 6020<br>6021<br>6022<br>6023  | Automotive Collision Repair Technology 1<br>Automotive Collision Repair Technology 2<br>Automotive Collision Repair Technology 3<br>Automotive Collision Repair Technology 4   | AJ   | Automotive Collision Repair   |
| 6030<br>6031<br>6032<br>6033  | Automotive Technology 1<br>Automotive Technology 2<br>Automotive Technology 3<br>Automotive Technology 4   | AK   | Automotive Technology   |
| 6310<br>6311<br>6312<br>6313  | Diesel Engine Mechanics 1<br>Diesel Engine Mechanics 2<br>Diesel Engine Mechanics 3<br>Diesel Engine Mechanics 4   | AK<br>CA   | Automotive Technology<br>Diesel Mechanics   |

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**CAREER AND TECHNOLOGY EDUCATION**

| <b>REQUIRED CREDENTIALS: ACCEPTABLE CERTIFICATION <i>and</i><br/>ALL MANDATORY ATTENDANT TRAINING</b> |  |                                  |  |
|---|--|----------------------------------|--|
| <b>Activity Code</b>  | <b>Course Title</b>  | <b>Certif. Code</b>              | <b>Acceptable Certification and Mandatory Attendant Training</b>   |
| 6300<br>6301<br>6302<br>6303  | Small Engine Technology 1<br>Small Engine Technology 2<br>Small Engine Technology 3<br>Small Engine Technology 4 | AA<br>AK<br>BF                   | Agricultural Mechanics<br>Automotive Technology<br>Small Engine Repair   |
| 6015  | Transportation, Distribution, and Logistics, Introduction to   | AJ<br>AK<br>CA<br>29<br>BF       | Automotive Collision Repair<br>Automotive Technology<br>Diesel Mechanics<br>Industrial Technology Education<br>Small Engine Repair                 |
| 6790  | Transportation, Distribution, and Logistics, work-based credit   | AA<br>31<br>AJ<br>AK<br>CA<br>BF | Agricultural Mechanics<br>Agriculture Mechanics<br>Automotive Collision Repair<br>Automotive Technology<br>Diesel Mechanics<br>Small Engine Repair |

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